

```
1: //MD ANIK ISLAM 1512132642 CSE 331 SECTION 7 RSF
2: sbit LCD_D7 at RB7_bit;
3: sbit LCD_D6 at RB6_bit;
4: sbit LCD_D5 at RB5_bit;
5: sbit LCD_D4 at RB4_bit;
6:
7: sbit LCD_EN at RB3_bit;
8: sbit LCD_RS at RB2_bit;
9:
10: sbit LCD_D7_Direction at TRISB7_bit;
11: sbit LCD_D6_Direction at TRISB6_bit;
12: sbit LCD_D5_Direction at TRISB5_bit;
13: sbit LCD_D4_Direction at TRISB4_bit;
14:
15: sbit LCD_EN_Direction at TRISB3_bit;
16: sbit LCD_RS_Direction at TRISB2_bit;
17:
18: int v;
19: char a;
20: char lcd[10];
21: void main()
22: {
23:     ADCON1 = 0x04;
24:     Lcd_Init();
25:     Lcd_Cmd(_LCD_CURSOR_OFF);
26:
27:     do
28:     {
29:         Lcd_Cmd(_LCD_CLEAR);
30:         Lcd_out(1,1, "READING");
31:         v = ADC_Read(0);
32:
33:         v = v/10;
34:         a = v%10;
35:         lcd[3] = a + '0';
36:
37:         v = v/10;
38:         a = v%10;
39:         lcd[2] = a + '0';
40:
41:         v = v*0.4887;
42:         a = v%10;
43:         lcd[0] = a + '0';
44:
45:         lcd[1] = '.';
46:
47:         lcd[4] = ' ';
48:         lcd[5] = 'V';
49:         lcd[6] = 'o';
50:         lcd[7] = 'l';
51:         lcd[8] = 't';
52:         lcd[9] = 's';
53:         Lcd_out(2,7,lcd);
54:         Delay_ms(100);
55:     }while(1);
56: }
```